



2824

FEE TRANSMITTAL SHEET (FOR FY 2002)

<p>Complete if Known</p> <p>Application No. 10/043,682</p> <p>Filing Date January 10, 2002</p> <p>First Named Inventor Timothy B. Cowles et al.</p> <p>Group Art Unit 2824</p> <p>Examiner Van Thu T. Nguyen</p> <p>Atty. Docket Number 500792.05</p>																																																																																																																																																									
		METHOD OF PAYMENT (Check One)																																																																																																																																																							
		1. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fee required under 37 C.F.R. §§ 1.16 and 1.17 and 1.136(a)(3) and credit any over payments to Deposit Account No.: 50-1266; Deposit Account Name: DORSEY & WHITNEY LLP																																																																																																																																																							
		2. <input type="checkbox"/> Check Enclosed																																																																																																																																																							
		FEES CALCULATION																																																																																																																																																							
		1. BASIC FILING FEE <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Large Entity</th> <th style="text-align: left;">Small Entity</th> <th style="text-align: left;">Fee Description</th> <th style="text-align: right;">Fee paid</th> </tr> <tr> <th>Fee Code</th> <th>Fee (\$)</th> <th>Fee Code</th> <th>Fee (\$)</th> </tr> </thead> <tbody> <tr> <td>101</td> <td>750</td> <td>201</td> <td>375</td> <td><input type="checkbox"/> Utility Filing Fee</td> <td></td> </tr> <tr> <td>106</td> <td>330</td> <td>206</td> <td>165</td> <td><input type="checkbox"/> Design Filing Fee</td> <td></td> </tr> <tr> <td>108</td> <td>750</td> <td>208</td> <td>375</td> <td><input type="checkbox"/> Reissue Filing Fee</td> <td></td> </tr> <tr> <td>114</td> <td>160</td> <td>214</td> <td>80</td> <td><input type="checkbox"/> Provisional Filing Fee</td> <td></td> </tr> <tr> <td colspan="4"></td> <td style="text-align: right;">Subtotal (1)</td> <td style="text-align: right;">\$0</td> </tr> </tbody> </table>		Large Entity	Small Entity	Fee Description	Fee paid	Fee Code	Fee (\$)	Fee Code	Fee (\$)	101	750	201	375	<input type="checkbox"/> Utility Filing Fee		106	330	206	165	<input type="checkbox"/> Design Filing Fee		108	750	208	375	<input type="checkbox"/> Reissue Filing Fee		114	160	214	80	<input type="checkbox"/> Provisional Filing Fee						Subtotal (1)	\$0																																																																																																																
Large Entity	Small Entity	Fee Description	Fee paid																																																																																																																																																						
Fee Code	Fee (\$)	Fee Code	Fee (\$)																																																																																																																																																						
101	750	201	375	<input type="checkbox"/> Utility Filing Fee																																																																																																																																																					
106	330	206	165	<input type="checkbox"/> Design Filing Fee																																																																																																																																																					
108	750	208	375	<input type="checkbox"/> Reissue Filing Fee																																																																																																																																																					
114	160	214	80	<input type="checkbox"/> Provisional Filing Fee																																																																																																																																																					
				Subtotal (1)	\$0																																																																																																																																																				
2. EXTRA CLAIM FEES <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Current Claims</th> <th style="text-align: left;">Prior</th> <th style="text-align: left;">Extra</th> <th style="text-align: left;">Fee</th> <th style="text-align: left;">Fee Paid</th> <th style="text-align: right;">Fee paid</th> </tr> <tr> <th>Total</th> <th>8</th> <th>- 20</th> <th>= 0</th> <th>x \$18 = \$0</th> <th></th> </tr> <tr> <th>Ind.</th> <th>4</th> <th>- 4</th> <th>= 0</th> <th>x \$84 = \$0</th> <th></th> </tr> </thead> <tbody> <tr> <td colspan="4"></td> <td style="text-align: right;">Subtotal (2)</td> <td style="text-align: right;">\$0</td> </tr> </tbody> </table>		Current Claims	Prior	Extra	Fee	Fee Paid	Fee paid	Total	8	- 20	= 0	x \$18 = \$0		Ind.	4	- 4	= 0	x \$84 = \$0						Subtotal (2)	\$0																																																																																																																																
Current Claims	Prior	Extra	Fee	Fee Paid	Fee paid																																																																																																																																																				
Total	8	- 20	= 0	x \$18 = \$0																																																																																																																																																					
Ind.	4	- 4	= 0	x \$84 = \$0																																																																																																																																																					
				Subtotal (2)	\$0																																																																																																																																																				
3. ADDITIONAL FEES <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Large Entity</th> <th style="text-align: left;">Small Entity</th> <th style="text-align: left;">Fee Description</th> <th style="text-align: right;">Fee paid</th> </tr> <tr> <th>Fee Code</th> <th>Fee (\$)</th> <th>Fee Code</th> <th>Fee (\$)</th> </tr> </thead> <tbody> <tr> <td>105</td> <td>130</td> <td>205</td> <td>65</td> <td>Surcharge - Late filing fee or oath</td> <td></td> </tr> <tr> <td>127</td> <td>50</td> <td>227</td> <td>25</td> <td>Surcharge - late provisional filing fee or cover sheet</td> <td></td> </tr> <tr> <td>139</td> <td>130</td> <td>139</td> <td>130</td> <td>Non-English specification</td> <td></td> </tr> <tr> <td>147</td> <td>2,520</td> <td>147</td> <td>2,520</td> <td>For Filing a Request for Reexamination</td> <td></td> </tr> <tr> <td>195</td> <td>300</td> <td>196</td> <td>300</td> <td>Publication (early or Republication)</td> <td></td> </tr> <tr> <td>115</td> <td>110</td> <td>215</td> <td>55</td> <td>Extension for reply within first month</td> <td></td> </tr> <tr> <td>116</td> <td>410</td> <td>216</td> <td>205</td> <td>Extension for reply within 2nd month</td> <td></td> </tr> <tr> <td>117</td> <td>930</td> <td>217</td> <td>465</td> <td>Extension for reply within 3rd month</td> <td></td> </tr> <tr> <td>118</td> <td>1,450</td> <td>218</td> <td>725</td> <td>Extension for reply within 4th month</td> <td></td> </tr> <tr> <td>128</td> <td>1,970</td> <td>280</td> <td>985</td> <td>Extension for reply within 5th month</td> <td></td> </tr> <tr> <td>120</td> <td>320</td> <td>220</td> <td>160</td> <td>Filing a brief in support of an appeal</td> <td></td> </tr> <tr> <td>121</td> <td>280</td> <td>270</td> <td>140</td> <td>Request for oral hearing</td> <td></td> </tr> <tr> <td>148</td> <td>110</td> <td>248</td> <td>55</td> <td>Terminal Disclaimer Fee</td> <td></td> </tr> <tr> <td>140</td> <td>110</td> <td>240</td> <td>55</td> <td>Petition to revive – unavoidable</td> <td></td> </tr> <tr> <td>141</td> <td>1,300</td> <td>241</td> <td>650</td> <td>Petition to revive – unintentional</td> <td></td> </tr> <tr> <td>142</td> <td>1,300</td> <td>242</td> <td>650</td> <td>Utility/Reissue issue fee (+ advance copies)</td> <td></td> </tr> <tr> <td>143</td> <td>470</td> <td>243</td> <td>235</td> <td>Design issue fee (+ advance copies)</td> <td></td> </tr> <tr> <td>122</td> <td>130</td> <td>122</td> <td>130</td> <td>Petitions to the Commissioner</td> <td></td> </tr> <tr> <td>123</td> <td>50</td> <td>123</td> <td>50</td> <td>Petitions related to provisional applications</td> <td></td> </tr> <tr> <td>126</td> <td>180</td> <td>126</td> <td>180</td> <td>Submission of IDS</td> <td></td> </tr> <tr> <td>581</td> <td>40</td> <td>81</td> <td>40</td> <td>Recording each patent assignment per property (times number of properties)</td> <td></td> </tr> <tr> <td>179</td> <td>750</td> <td>279</td> <td>375</td> <td>Request for Continued Examination (RCE)</td> <td></td> </tr> <tr> <td colspan="4"></td> <td style="text-align: right;">Subtotal (3)</td> <td style="text-align: right;">\$0</td> </tr> <tr> <td colspan="4"></td> <td style="text-align: right;">Total Amount of Payment:</td> <td style="text-align: right;">\$0</td> </tr> </tbody> </table>		Large Entity	Small Entity	Fee Description	Fee paid	Fee Code	Fee (\$)	Fee Code	Fee (\$)	105	130	205	65	Surcharge - Late filing fee or oath		127	50	227	25	Surcharge - late provisional filing fee or cover sheet		139	130	139	130	Non-English specification		147	2,520	147	2,520	For Filing a Request for Reexamination		195	300	196	300	Publication (early or Republication)		115	110	215	55	Extension for reply within first month		116	410	216	205	Extension for reply within 2 nd month		117	930	217	465	Extension for reply within 3 rd month		118	1,450	218	725	Extension for reply within 4 th month		128	1,970	280	985	Extension for reply within 5 th month		120	320	220	160	Filing a brief in support of an appeal		121	280	270	140	Request for oral hearing		148	110	248	55	Terminal Disclaimer Fee		140	110	240	55	Petition to revive – unavoidable		141	1,300	241	650	Petition to revive – unintentional		142	1,300	242	650	Utility/Reissue issue fee (+ advance copies)		143	470	243	235	Design issue fee (+ advance copies)		122	130	122	130	Petitions to the Commissioner		123	50	123	50	Petitions related to provisional applications		126	180	126	180	Submission of IDS		581	40	81	40	Recording each patent assignment per property (times number of properties)		179	750	279	375	Request for Continued Examination (RCE)						Subtotal (3)	\$0					Total Amount of Payment:	\$0
Large Entity	Small Entity	Fee Description	Fee paid																																																																																																																																																						
Fee Code	Fee (\$)	Fee Code	Fee (\$)																																																																																																																																																						
105	130	205	65	Surcharge - Late filing fee or oath																																																																																																																																																					
127	50	227	25	Surcharge - late provisional filing fee or cover sheet																																																																																																																																																					
139	130	139	130	Non-English specification																																																																																																																																																					
147	2,520	147	2,520	For Filing a Request for Reexamination																																																																																																																																																					
195	300	196	300	Publication (early or Republication)																																																																																																																																																					
115	110	215	55	Extension for reply within first month																																																																																																																																																					
116	410	216	205	Extension for reply within 2 nd month																																																																																																																																																					
117	930	217	465	Extension for reply within 3 rd month																																																																																																																																																					
118	1,450	218	725	Extension for reply within 4 th month																																																																																																																																																					
128	1,970	280	985	Extension for reply within 5 th month																																																																																																																																																					
120	320	220	160	Filing a brief in support of an appeal																																																																																																																																																					
121	280	270	140	Request for oral hearing																																																																																																																																																					
148	110	248	55	Terminal Disclaimer Fee																																																																																																																																																					
140	110	240	55	Petition to revive – unavoidable																																																																																																																																																					
141	1,300	241	650	Petition to revive – unintentional																																																																																																																																																					
142	1,300	242	650	Utility/Reissue issue fee (+ advance copies)																																																																																																																																																					
143	470	243	235	Design issue fee (+ advance copies)																																																																																																																																																					
122	130	122	130	Petitions to the Commissioner																																																																																																																																																					
123	50	123	50	Petitions related to provisional applications																																																																																																																																																					
126	180	126	180	Submission of IDS																																																																																																																																																					
581	40	81	40	Recording each patent assignment per property (times number of properties)																																																																																																																																																					
179	750	279	375	Request for Continued Examination (RCE)																																																																																																																																																					
				Subtotal (3)	\$0																																																																																																																																																				
				Total Amount of Payment:	\$0																																																																																																																																																				

Submitted by:

Name: Edward W. Bulchis Reg. No.: 26,847 Telephone: (206) 903-8800

Signature: *Edward W. Bulchis* Date: *February 25, 2003*

RECEIVED
MAR 7 2003
U.S. PATENT AND TRADEMARK OFFICE
2800
MAIL



PATENT

I hereby certify that on the date specified below, this correspondence is being deposited with the United States Postal Service as first-class mail in an envelope addressed to Box Non-Fee Amendment, Commissioner of Patents, Washington, DC 20231.

February 26, 2003

Denise Sheridan

LeB And
3-11-03
R.Wall

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants : Timothy B. Cowles et al. Attorney Docket No.: 500792.05
Serial No. : 10/043,682 Group Art Unit : 2824
Filed : January 10, 2002 Examiner : Van Thu T. Nguyen
Title : REFRESH CONTROLLER AND ADDRESS REMAPPING CIRCUIT AND METHOD
FOR DUAL MODE FULL/REDUCED DENSITY DRAMS

Box Non-Fee Amendment
Commissioner of Patents
Washington, DC 20231

RECEIVED
MAR -7 2003
TC 2800 MAIL ROOM

AMENDMENT

Sir:

Applicants acknowledge receipt of the Office Action dated January 22, 2003.

In the Specification:

Please replace the paragraph beginning at page 16, line 26, with the following rewritten paragraph:

As mentioned above, the column address buffers 34 are designed to remap one of the row address to a column address so that the SDRAM 20 is plug compatible with SDRAMs adapted to receive row addresses for M rows and column addresses for N/2 columns. With reference to Figure 4, a portion of the column address buffers 34 includes a latch 260 that receives ten column address bits CA0-CA9. The column address buffer 260 latches the address bids responsive to an active low column address strobe read/write command, as is well known in the art. The nine low order address bits CA0-CA8 are applied to the column decoder 56 (Figure 1) in a conventional manner. However, the most significant column address bit CA9 is applied

(S)